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2631

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
**OLSSON ET AL.**

Serial No. **09/147,230**  
Confirmation No. **1417**  
Filing Date: **February 9, 1999**

For: **IMPROVEMENTS IN OR RELATING  
TO SYNCHRONISATION**

) Examiner Dung Nguyen  
)  
) Art Unit: 2631  
) Attorney Docket: 54300

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PRELIMINARY AMENDMENT

Director, U.S. Patent and Trademark Office  
Washington, D.C. 20231

Sir:

Prior to the calculation of fees and  
examination of the present application, please enter the  
amendments and remarks set out below.

In the Specification:

Replace the paragraph beginning at page 5, line  
24 through page 6, line 3, with the following rewritten  
paragraph:

-- Said slope of said argument function,  $\alpha_k$ , may  
be estimated from the equation

$$\alpha_k = \frac{1}{N} \sum_n L \frac{(X_{n,k}) / (Y_{n,k})}{n}$$

where N is the number of active carriers and  $(X_{n,k}) / (Y_{n,k})$   
is the unwrapped argument function for the nth carrier in  
the kth frame. --

Replace the paragraph beginning at page 6, line  
4 through page 6, line 9, with the following rewritten  
paragraph: